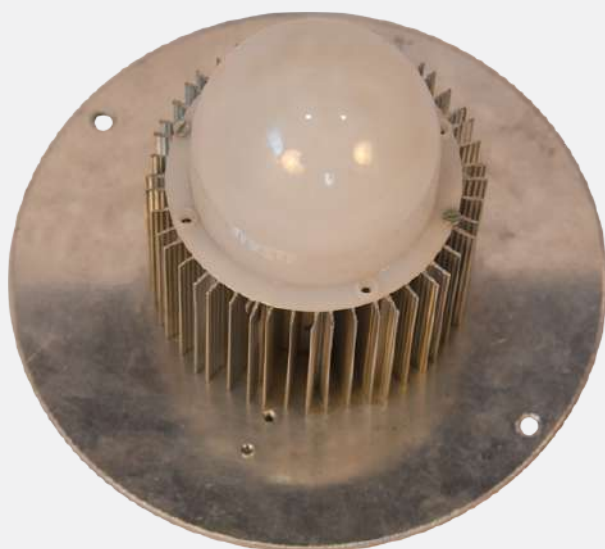


# PATCO FLAME M PROOF PRODUCTS

Manufacturer of : Flameproof / Weatherproof, Electrical Equipment, Lighting Fittings,  
LED Lighting Fittings, Instruments Enclosure & Cable Glands Tested Certified by CIMFR, Dhanbad

## LED RETROFIT KIT - 45 WATT



Powered by  
**PHILIPS** **FULHAM**  
**LUMILEDS**  
MADE IN JAPAN

|                                   |                                               |               |               |
|-----------------------------------|-----------------------------------------------|---------------|---------------|
| Catalogue No.                     |                                               |               |               |
| CHARACTERISTICS                   | STANDARD VALUE                                |               |               |
| LUMINARIES                        |                                               |               |               |
| Luminaries Wattage                | 45 Watt                                       |               |               |
| Input Voltage                     | 230 V                                         |               |               |
| Input Frequency                   | 50 HZ                                         |               |               |
| Input Current                     | 0.6 A                                         |               |               |
| Power Factor                      | > 0.90                                        |               |               |
| Athd.                             | CLASS C                                       |               |               |
| Efficiency                        | 87%                                           |               |               |
| Light Spreading Angle             | 180°                                          |               |               |
| Temperature Class                 | T6                                            |               |               |
| IP Standard                       | IP66                                          |               |               |
| Total Weight                      | 7.9 Kg                                        |               |               |
| Starting Time                     | Rapid ( 0.2 Sec)                              |               |               |
| Guarantee                         | 2 Years Including FLUX / CCT / CRI            |               |               |
| LED LAMP - Make LUMILEDS          |                                               |               |               |
| LED Type / No of LED Lamp         | COB / Single Lamp                             |               |               |
| Total Lumen @Tc 25°C              | 5160                                          | 5600          | 6200          |
| Lumen Efficacy (Lm/ Watt)         | 129 lm/W                                      | 140 lm/W      | 155 lm/W      |
| CCT / Color Rendering index       | 3000K / RA 70                                 | 5000K / RA 70 | 6500K / RA 80 |
| SP Ratio                          | 2 - 2.25                                      |               |               |
| MacAdam Ellipse Stage             | STEP 3                                        |               |               |
| LED - Wattage / Current / Voltage | 40 W / 1115 ma / 35.9 V                       |               |               |
| Lamp Life                         | 1,00,000 Hours Min.                           |               |               |
| Certifications / Reports          | LM70, LM80 / Photo Bio. Test / Vibration Test |               |               |
| Test Report of CREE LED Lamp      | Actual Operating test Report for 63,000 Hrs   |               |               |
| LED DRIVER: PHILIPS & FULHAM      |                                               |               |               |
| Type of Driver                    | Constant Current (CC)                         |               |               |
| Input Voltage Range               | 180 VAC ~ 295 VAC                             |               |               |
| Frequency Range                   | 47 ~ 63 Hz                                    |               |               |
| Inrush Current                    | COLD START 25A                                |               |               |
| Leakage Current                   | < 0.5 mA / 240 VAC                            |               |               |
| Output Protection                 | Short Circuit, Over Temperature               |               |               |
| Withstand Voltage                 | I/P-0/P:3.75K VAC Min.                        |               |               |
| Surge Protection                  | L-N : 2KV                                     |               |               |
| OPTICS                            |                                               |               |               |
| Optics Type                       | PC                                            |               |               |
| MOC of Optics                     | Polycarbonate                                 |               |               |
| Secondary Optics                  | Toughened Glass                               |               |               |
| FIXTURES / HEAT SINK              |                                               |               |               |
| Make Of Fixture                   | PATCO                                         |               |               |
| Certification                     | CMRI Certified including LED Lamp             |               |               |
| MOC Fixtures                      | Aluminum Casting                              |               |               |
| Heat Sink Make                    | Own Design                                    |               |               |
| MOC Heat Sink                     | Aluminum Extrusion LM-06                      |               |               |
| Junction Temperature - TJ         | 68°C                                          |               |               |
| Case Temperature - TC             | 55°C                                          |               |               |